


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "((fragile &lt;and&gt; watermark)&lt;in&gt;metadata)"

☒ e-mail

Your search matched 94 of 1152881 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.[» View Session History](#)[» New Search](#)

Modify Search

((fragile &lt;and&gt; watermark)&lt;in&gt;metadata)

[» Key](#)☐ Check to search only within this results set

IEEE JNL IEEE Journal or Magazine

Display Format: ☒ Citation ☐ Citation & Abstract

IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

Select Article Information

View: 1-25 | 26-

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

- | Select                   | Article Information  |
|--------------------------|--|
| <input type="checkbox"/> | <b>1. Fragile watermark based on the Gaussian mixture model in the wavelet domain for authentication</b><br>Yuan, H.; Zhang, X.-P.;<br>Image Processing, 2003. Proceedings. 2003 International Conference on<br>Volume 1, 14-17 Sept. 2003 Page(s):1 - 505-8 vol.1<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (385 KB) IEEE CNF                        |
| <input type="checkbox"/> | <b>2. A novel fragile watermarking technique</b><br>Shih, F.Y.; Yi-Ta Wu;<br>Multimedia and Expo, 2004. ICME '04. 2004 IEEE International Conference on<br>Volume 2, 27-30 June 2004 Page(s):875 - 878 Vol.2<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (637 KB) IEEE CNF  |
| <input type="checkbox"/> | <b>3. Watermark design pattern for intellectual property protection in electronic communications applications</b><br>Kwok, S.H.; Yang, C.C.; Tam, K.Y.;<br>System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on<br>4-7 Jan. 2000 Page(s):10 pp. vol.2<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (300 KB) IEEE CNF |
| <input type="checkbox"/> | <b>4. A fragile watermark error detection scheme for wireless video communications</b><br>Minghua Chen; Yun He; Lagendijk, R.L.;<br>Multimedia, IEEE Transactions on<br>Volume 7, Issue 2, April 2005 Page(s):201 - 211<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (936 KB) IEEE JNL   |
| <input type="checkbox"/> | <b>5. VLSI implementation of invisible digital watermarking algorithms towards the design of a secure JPEG encoder</b><br>Mohanty, S.P.; Ranganathan, N.; Namballa, R.K.;<br>Signal Processing Systems, 2003. SIPS 2003. IEEE Workshop on<br>27-29 Aug. 2003 Page(s):183 - 188<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (531 KB) IEEE CNF            |
| <input type="checkbox"/> | <b>6. Digital fragile watermarking scheme for authentication of JPEG images</b><br>Li, C.-T.;<br>Vision, Image and Signal Processing, IEEE Proceedings-<br>Volume 151, Issue 6, 30 Dec. 2004 Page(s):460 - 466   |

[AbstractPlus](#) | Full Text: [PDF\(1308 KB\)](#) IEEE JNL

- ☐ 7. **Blind quality assessment system for multimedia communications using tracing v**  
Campisi, P.; Carli, M.; Giunta, G.; Neri, A.;  
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing Transactions on]  
Volume 51, Issue 4, April 2003 Page(s):996 - 1002  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(354 KB\)](#) IEEE JNL
  
- ☐ 8. **Fragile watermarking of three-dimensional objects**  
Yeung, M.; Boon-Lock Yeo;  
Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference on  
Volume 2, 4-7 Oct. 1998 Page(s):442 - 446 vol.2  
[AbstractPlus](#) | Full Text: [PDF\(592 KB\)](#) IEEE CNF
  
- ☐ 9. **Attacks on digital watermarks**  
Min Wu; Bede Liu;  
Signals, Systems, and Computers, 1999. Conference Record of the Thirty-Third Asilomar  
Volume 2, 24-27 Oct. 1999 Page(s):1508 - 1512 vol.2  
[AbstractPlus](#) | Full Text: [PDF\(360 KB\)](#) IEEE CNF
  
- ☐ 10. **Blind watermarking applied to image authentication**  
Eggers, J.J.; Girod, B.;  
Acoustics, Speech, and Signal Processing, 2001. Proceedings. (ICASSP '01). 2001 IEEE  
Conference on  
Volume 3, 7-11 May 2001 Page(s):1977 - 1980 vol.3  
[AbstractPlus](#) | Full Text: [PDF\(368 KB\)](#) IEEE CNF
  
- ☐ 11. **A SVD- and quantization based semi-fragile watermarking technique for image authentication**  
Rui Sun; Hong Sun; Tianren Yao;  
Signal Processing, 2002 6th International Conference on  
Volume 2, 26-30 Aug. 2002 Page(s):1592 - 1595 vol.2  
[AbstractPlus](#) | Full Text: [PDF\(354 KB\)](#) IEEE CNF
  
- ☐ 12. **A medical image watermarking scheme based on wavelet transform**  
Giakoumaki, A.; Pavlopoulos, S.; Koutouris, D.;  
Engineering in Medicine and Biology Society, 2003. Proceedings of the 25th Annual International  
Conference of the IEEE  
Volume 1, 17-21 Sept. 2003 Page(s):856 - 859 Vol.1  
[AbstractPlus](#) | Full Text: [PDF\(480 KB\)](#) IEEE CNF
  
- ☐ 13. **Verification of image content integrity by using dual watermarking on wavelets d**  
Wen-Nung Lie; Tze-Liang Hsu; Guo-Shiang Lin;  
Image Processing, 2003. Proceedings. 2003 International Conference on  
Volume 2, 14-17 Sept. 2003 Page(s):487 - 487-90 vol.3  
[AbstractPlus](#) | Full Text: [PDF\(409 KB\)](#) IEEE CNF
  
- ☐ 14. **A multiscale fragile watermark based on the Gaussian mixture model in the wavelet**  
Hua Yuan; Xiao-Ping Zhang;  
Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). IEEE International  
Conference on  
Volume 3, 17-21 May 2004 Page(s):413 - 413-16 vol.3  
[AbstractPlus](#) | Full Text: [PDF\(631 KB\)](#) IEEE CNF
  
- ☐ 15. **Multipurpose watermarking for image authentication and protection**  
Chun-Shien Lu; Liao, H.-Y.M.;  
Image Processing, IEEE Transactions on

Volume 10, Issue 10, Oct. 2001 Page(s):1579 - 1592

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(344 KB\)](#) IEEE JNL

- ☐ **16. Digital watermarking for telltale tamper proofing and authentication**  
Kundur, D.; Hatzinakos, D.;  
Proceedings of the IEEE  
Volume 87, Issue 7, July 1999 Page(s):1167 - 1180  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(644 KB\)](#) IEEE JNL
  
- ☐ **17. A DCT-domain blind watermarking system using optimum detection on Laplacian**  
Qiang Cheng; Huang, T.S.;  
Image Processing, 2000. Proceedings. 2000 International Conference on  
Volume 1, 10-13 Sept. 2000 Page(s):454 - 457 vol.1  
[AbstractPlus](#) | Full Text: [PDF\(384 KB\)](#) IEEE CNF
  
- ☐ **18. A hybrid watermarking scheme for H.264/AVC video**  
Gang Qiu; Marziliano, P.; Ho, A.T.S.; Dajun He; Qibin Sun;  
Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on  
Volume 4, 23-26 Aug. 2004 Page(s):865 - 868 Vol.4  
[AbstractPlus](#) | Full Text: [PDF\(297 KB\)](#) IEEE CNF
  
- ☐ **19. A hybrid watermark for tamper detection in digital images**  
Fridrich, J.;  
Signal Processing and Its Applications, 1999. ISSPA '99. Proceedings of the Fifth International Symposium on  
Volume 1, 22-25 Aug. 1999 Page(s):301 - 304 vol.1  
[AbstractPlus](#) | Full Text: [PDF\(384 KB\)](#) IEEE CNF
  
- ☐ **20. Fragile speech watermarking based on exponential scale quantization for tamper**  
Chung-Ping Wu; Kuo, C.-C.J.;  
Acoustics, Speech, and Signal Processing, 2002. Proceedings. (ICASSP '02). IEEE International Conference on  
Volume 4, 13-17 May 2002 Page(s):IV-3305 - IV-3308 vol.4  
[AbstractPlus](#) | Full Text: [PDF\(509 KB\)](#) IEEE CNF
  
- ☐ **21. Oblivious fragile watermarking scheme for image authentication**  
Chang-Tsun Li; Fong-Man Yang; Chang-Shiu Lee;  
Acoustics, Speech, and Signal Processing, 2002. Proceedings. (ICASSP '02). IEEE International Conference on  
Volume 4, 13-17 May 2002 Page(s):IV-3445 - IV-3448 vol.4  
[AbstractPlus](#) | Full Text: [PDF\(780 KB\)](#) IEEE CNF
  
- ☐ **22. A new time-frequency based fragile watermarking scheme for image authentication**  
Sattar, F.; Barkat, B.;  
Communications, Computers and Signal Processing, 2003. PACRIM. 2003 IEEE Pacific Rim Conference on  
Volume 2, 28-30 Aug. 2003 Page(s):992 - 995 vol.2  
[AbstractPlus](#) | Full Text: [PDF\(379 KB\)](#) IEEE CNF
  
- ☐ **23. A new time-frequency based private fragile watermarking scheme for image authentication**  
Barkat, B.; Sattar, F.;  
Signal Processing and Its Applications, 2003. Proceedings. Seventh International Symposium on  
Volume 2, 1-4 July 2003 Page(s):363 - 366 vol.2  
[AbstractPlus](#) | Full Text: [PDF\(468 KB\)](#) IEEE CNF
  
- ☐ **24. Fragile watermarking scheme exploiting non-deterministic block-wise dependencies**  
Yinyin Yuan; Chang-Tsun Li;

Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on  
Volume 4, 23-26 Aug. 2004 Page(s):849 - 852 Vol.4

[AbstractPlus](#) | Full Text: [PDF](#)(343 KB) [IEEE CNF](#)



**25. Log-scaling watermark detection in digital audio watermarking**

Ko, B.S.; Nishimura, R.; Suzuki, Y.;

Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). IEEE International Conference on

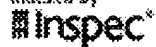
Volume 3, 17-21 May 2004 Page(s):iii - 81-4 vol.3

[AbstractPlus](#) | Full Text: [PDF](#)(447 KB) [IEEE CNF](#)



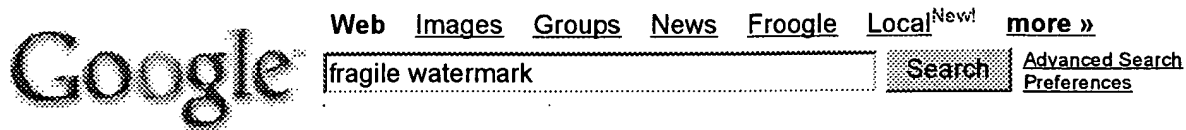
View: **1-25** | [26-](#)

Indexed by



[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE -

**Web**Results 1 - 10 of about 18,500 for **fragile watermark**. (0.48 seconds)**[WM]: fragile watermarking**

... salam all does any one worked on a **fragile watermark** ,please advice me wether it is a good topic and can you give me a good application for it please ...

[www.watermarkingworld.org/WMLArchive/0402/msg00059.html](http://www.watermarkingworld.org/WMLArchive/0402/msg00059.html) - 13k - [Cached](#) - [Similar pages](#)

**[WM]: Can a fragile watermarking scheme work?**

... Dear watermarkers: I was wondering how can a **fragile watermarking** scheme ...

Alice has an image I. She embeds a **fragile watermark** W1 to I. I1 = I+W1 2. ...

[www.watermarkingworld.org/WMLArchive/0401/msg00038.html](http://www.watermarkingworld.org/WMLArchive/0401/msg00038.html) - 13k - [Cached](#) - [Similar pages](#)

[ [More results from www.watermarkingworld.org](#) ]

**[PDF] CRYPTANALYSIS OF THE YEUNG-MINTZER FRAGILE WATERMARKING TECHNIQUE**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... detect any change whatsoever made to the content is known as a **fragile watermark**.

... of a **fragile watermark** technique before adopting it for a given ...

[www.ws.binghamton.edu/fridrich/Research/JEI.pdf](http://www.ws.binghamton.edu/fridrich/Research/JEI.pdf) - [Similar pages](#)

**[PDF] Dual Domain Semi-fragile Watermarking for Image Authentication**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... **Fragile Watermarking**: The watermark should not tolerate any tampering that

... The semi-fragile watermark should satisfy the following specific ...

[ee.tamu.edu/~deepa/theses/zhao03.pdf](http://ee.tamu.edu/~deepa/theses/zhao03.pdf) - [Similar pages](#)

**[PPT] Watermarking**

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

... **Fragile Watermarks**. "Break" easily. Intended to authenticate integrity of image

... Attacking **Fragile Watermarks**. Sneaking around the watermarking ...

[www.cs.virginia.edu/~jones/cs851sig/slides/watermarking.ppt](http://www.cs.virginia.edu/~jones/cs851sig/slides/watermarking.ppt) - [Similar pages](#)

**[PDF] TOWARD A SECURE PUBLIC-KEY BLOCKWISE FRAGILE AUTHENTICATION ...**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... In comparison, **fragile watermarks** are useful for purposes of ... A **fragile**

**watermark** pro- vides a guarantee that the image has not been tampered with ...

[www.lps.usp.br/~hae/icip01-hbc.pdf](http://www.lps.usp.br/~hae/icip01-hbc.pdf) - [Similar pages](#)

**[PDF] Web based Image Authentication Using Invisible Fragile Watermark**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... detected in a **fragile watermark** system. **Watermark** detection is ... The **fragile**

**watermark** method is useful to the area where ...

[crpit.com/confpapers/CRPITV11Lim.pdf](http://crpit.com/confpapers/CRPITV11Lim.pdf) - [Similar pages](#)

**[PDF] A Secure Semi-Fragile Watermarking for Image Authentication Based ...**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... for semi-fragile watermarking has not been reported in. the literature. ...

and fragility, semi-fragile watermark that can resist ...

[crpit.com/confpapers/CRPITV44Wu.pdf](http://crpit.com/confpapers/CRPITV44Wu.pdf) - [Similar pages](#)

**Multimedia Security Research at Purdue University**

... A **watermark** may be **fragile**, **semi-fragile** or **robust**. **Fragile watermarks** are designed to be distorted or "broken" under the slightest changes to the image ...  
[www.ece.purdue.edu/~ace/water2/digwmk.html](http://www.ece.purdue.edu/~ace/water2/digwmk.html) - 14k - [Cached](#) - [Similar pages](#)

### Will Fixation on Security Silence the Trumpets of Fame?

... to send a file over the Internet, but the **fragile watermark** would not. ...  
However, in tests, the **fragile watermark** sometimes failed to break when it ...  
[www.bluespike.com/news-inside012601.html](http://www.bluespike.com/news-inside012601.html) - 14k - [Cached](#) - [Similar pages](#)

Google

Result Page:    1 2 3 4 5 6 7 8 9 10    [Next](#)

Free! Google Desktop Search: Search your own computer. [Download now.](#)

**Find:**  [emails](#) -  [files](#) -  [chats](#) -  [web history](#) -  [media](#) -  [PDF](#)

fragile watermark

Search

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google